

Permit to Operate

FACILITY: S-4

EXPIRATION DATE: 08/31/200

LEGAL OWNER OR OPERATOR: TEHACHAPI-CUMMINGS WATER DIST

MAILING ADDRESS: PO BOX 326
TEHACHAPI, CA 93581

FACILITY LOCATION: WEST OF TEJON RANCH ROAD
TEJON RANCH, CA

FACILITY DESCRIPTION: WATER SUPPLY

The Facility to Operate may include Facility-wide Requirements as well as requirements that apply to specific permit units.

The Permit to Operate remains valid through the permit expiration date listed above, subject to payment of annual permit fees and compliance with permit conditions and all applicable local, state, and federal regulations. This permit is valid only at the location specified above, and becomes void upon any transfer of ownership or location. Any modification of the equipment or operation, as defined in District Rule 2201, will require prior District approval. This permit shall be posted as prescribed in District Rule 2010.

DAVID L. CROW

Executive Director / APCO

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Director of Permit Services

Initial TV Permit
San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-4-0-1

EXPIRATION DATE: 08/31/2004

EQUIPMENT DESCRIPTION:

PERMIT UNIT REQUIREMENTS

1. The owner or operator shall notify the District of any breakdown condition as soon as reasonably possible, but no later than one hour after its detection, unless the owner or operator demonstrates to the District's satisfaction that the longer reporting period was necessary. [District Rule 1100, 6.1; County Rules 110 (Fresno, Stanislaus, San Joaquin); 109 (Merced); 113 (Madera); and 111 (Kern, Tulare, Kings)]
2. The District shall be notified in writing within ten days following the correction of any breakdown condition. The breakdown notification shall include a description of the equipment malfunction or failure, the date and cause of the initial failure, the estimated emissions in excess of those allowed, and the methods utilized to restore normal operations. [District Rule 1100, 7.0; County Rules 110 (Fresno, Stanislaus, San Joaquin); 109 (Merced); 113 (Madera); and 111 (Kern, Tulare, Kings)]
3. The owner or operator of any stationary source operation that emits more than 25 tons per year of nitrogen oxides or reactive organic compounds, shall provide the District annually with a written statement in such form and at such time as the District prescribes, showing actual emissions of nitrogen oxides and reactive organic compounds from that source. [District Rule 1160, 5.0]
4. Any person building, altering or replacing any operation, article, machine, equipment, or other contrivance, the use of which may cause the issuance of air contaminants or the use of which may eliminate, reduce, or control the issuance of air contaminants, shall first obtain an Authority to Construct (ATC) from the District unless exempted by District Rule 2020 (7/21/94). [District Rule 2010, 3.0 and 4.0; 2020; and County Rule 201 (in all eight counties in the San Joaquin Valley)]
5. The permittee must comply with all conditions of the permit including permit revisions originated by the District. All terms and conditions of a permit that are required pursuant to the Clean Air Act (CAA), including provisions to limit potential to emit, are enforceable by the EPA and Citizens under the CAA. Any permit noncompliance constitutes a violation of the CAA and the District Rules and Regulations, and is grounds for enforcement action, for permit termination, revocation, reopening and reissuance, or modification; or for denial of a permit renewal application. [District Rules 2070, 7.0; 2080; and 2520, 9.9.1 and 9.13.1]
6. A Permit to Operate or an Authority to Construct shall not be transferred unless a new application is filed with and approved by the District. [District Rule 2031]
7. Every application for a permit required under Rule 2010 (12/17/92) (Permits Required) shall be filed in a manner and form prescribed by the District. [District Rule 2040]
8. The operator shall maintain records of required monitoring that include: 1) the date, place, and time of sampling or measurement; 2) the date(s) analyses were performed; 3) the company or entity that performed the analysis; 4) the analytical techniques or methods used; 5) the results of such analysis; and 6) the operating conditions at the time of sampling or measurement. [District Rule 2520, 9.5.1]
9. The operator shall retain records of all required monitoring data and support information for a period of at least 5 years from the date of the monitoring sample, measurement, or report. Support information includes copies of all reports required by the permit and, for continuous monitoring instrumentation, all calibration and maintenance records and all original strip-chart recordings. [District Rule 2520, 9.5.2]
10. The operator shall submit reports of any required monitoring at least every six months unless a different frequency is required by an applicable requirement. All instances of deviations from permit requirements must be clearly identified in such reports. [District Rule 2520, 9.6.1]
11. Deviations from permit conditions must be promptly reported, including deviations attributable to upset conditions, as defined in the permit. For the purpose of this condition, promptly means as soon as reasonably possible, but no later than 10 days after detection. The report shall include the probable cause of such deviations, and any corrective actions or preventive measures taken. All required reports must be certified by a responsible official consistent with section 10.0 of District Rule 2520(6/15/95) [District Rules 2520, 9.6.2 and 1100, 7.0]
12. If for any reason a permit requirement or condition is being challenged for its constitutionality or validity by a court of competent jurisdiction, the outcome of such challenge shall not affect or invalidate the remainder of the conditions or requirements in that permit. [District Rule 2520, 9.8]
13. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit. [District Rule 2520, 9.9.2]

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14. The permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition. [District Rule 2520, 9.9.3]
15. The permit does not convey any property rights of any sort, or any exclusive privilege. [District Rule 2520, 9.9.4]
16. The Permittee shall furnish to the District, within a reasonable time, any information that the District may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the District copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to EPA along with a claim of confidentiality. [District Rule 2520, 9.9.5]
17. The permittee shall pay annual permit fees and other applicable fees as prescribed in Regulation III of the District Rules and Regulations. [District Rule 2520, 9.10]
18. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to enter the permittee's premises where a permitted source is located or emissions related activity is conducted, or where records must be kept under condition of the permit. [District Rule 2520, 9.14.2.1]
19. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit. [District Rule 2520, 9.14.2.2]
20. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to inspect at reasonable times any facilities, equipment, practices, or operations regulated or required under the permit. [District Rule 2520, 9.14.2.3]
21. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [District Rule 2520, 9.14.2.4]
22. No air contaminants shall be discharged into the atmosphere for a period or periods aggregating more than 3 minutes in any one hour which is as dark or darker than Ringelmann #1 or equivalent to 20% opacity and greater, unless specifically exempted by District Rule 4101 (12/17/92), by using EPA method 9. If the equipment or operation is subject to a more stringent visible emission standard as prescribed in a permit condition, the more stringent visible emission limit shall supersede this condition. [District Rule 4101, and County Rules 401 (in all eight counties in the San Joaquin Valley)]
23. No person shall supply, sell, solicit or apply any architectural coating, except specialty coatings, that contains more than 250 grams of VOC per liter of coating (less water and exempt compounds, and excluding any colorant added to tint bases), or manufacture, blend, or repackage such coating with more than 250 grams of VOC per liter (less water and exempt compounds, and excluding any colorant added to tint bases) for use within the District. [District Rule 4601, 5.1]
24. No person shall apply, sell, solicit, or offer for sale any specialty architectural coating listed in the Table of Standards (District Rule 4601, Table 1 (12/17/92)), nor manufacture, blend, or repackage such coating for use within the District, which contains VOCs (less water and exempt compounds, excluding any colorant added to tint bases) in excess of the specified limits listed in Table 1 of Rule 4601 (12/17/92). [District Rule 4601, 5.2]
25. All VOC-containing materials shall be stored in closed containers when not in use. In use includes, but is not limited to: being accessed, filled, emptied, maintained or repaired. [District Rule 4601, 5.4]
26. A person shall not use VOCs for the cleanup of spray equipment unless equipment for collection of the cleaning compounds and minimizing its evaporation to the atmosphere is used. [District Rule 4601, 5.5]
27. The permittee shall comply with all the Labeling and Test Methods requirements outlined in Rule 4601 sections 6.1 and 6.2 (12/17/92). [District Rule 4601, 6.1 and 6.2]
28. With each report or document submitted under a permit requirement or a request for information by the District or EPA, the permittee shall include a certification of truth, accuracy, and completeness by a responsible official. [District Rule 2520, 9.14.1 and 10.0]
29. If the permittee performs maintenance on, or services, repairs, or disposes of appliances, the permittee shall comply with the standards for Recycling and Emissions Reduction pursuant to 40 CFR Part 82, Subpart F. [40 CFR 82 Subpart F]
30. If the permittee performs service on motor vehicles when this service involves the ozone-depleting refrigerant in the motor vehicle air conditioner (MVAC), the permittee shall comply with the standards for Servicing of Motor Vehicle Air Conditioners pursuant to all the applicable requirements as specified in 40 CFR Part 82, Subpart B. [40 CFR Part 82, Subpart B]
31. Disturbances of soil related to any construction, demolition, excavation, extraction, or water mining activities shall comply with the requirements for fugitive dust control in SJVUAPCD District Rule 8020 (4/25/96) unless specifically exempted under section 4 of Rule 8020 (4/25/96). [District Rule 8020]
32. Outdoor handling and storage of any bulk material which emits dust shall comply with the requirements of SJVUAPCD Rule 8030 (4/25/96), unless specifically exempted under section 4 of Rule 8030 (4/25/96). [District Rule 8030]

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33. Any paved road over 3 miles in length, and any unpaved roads over half a mile in length, constructed after December 10, 1993 shall use the design criteria and dust control measures of, and comply with the administrative requirements of, SJVUAPCD Rule 8060 (4/25/96) unless specifically exempted under section 4 of Rule 8060 (4/25/96). [District Rule 8060]
34. Any owner or operator of a demolition or renovation activity, as defined in 40 CFR 61.141, shall comply with the applicable inspection, notification, removal, and disposal procedures for asbestos containing materials as specified in 40 CFR 61.145 (Standard for Demolition and Renovation). [40 CFR 61 Subpart M]
35. The permittee shall submit certifications of compliance with the terms and standards contained in Title V permits, including emission limits, standards and work practices, to the District and the EPA annually (or more frequently as specified in an applicable requirement or as specified by the District). The certification shall include the identification of each permit term or condition, the compliance status, whether compliance was continuous or intermittent, the methods used for determining the compliance status, and any other facts required by the District to determine the compliance status of the source. [District Rule 2520, 9.17]
36. The permittee shall submit an application for Title V permit renewal to the District at least six months, but not greater than 18 months, prior to the permit expiration date. [District Rule 2520, 5.2]
37. When a term is not defined in a Title V permit condition, the definition in the rule cited as the origin and authority for the condition in a Title V permit shall apply. [District Rule 2520, 9.1.1]
38. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following outdated SIP requirements: Rule 401 (Madera, Fresno, Kern, Kings, San Joaquin, Stanislaus, Tulare and Merced), Rule 110 (Fresno, Stanislaus, San Joaquin), Rule 109 (Merced), Rule 113 (Madera), Rule 111 (Kern, Tulare, Kings), Rules 201, 202, 203, 204, 208, and 209 (Fresno, Kern, Tulare, Kings, Madera, Stanislaus, Merced, San Joaquin), Rule 410.1 (Kern), and Rule 423 (Kern, Fresno, Stanislaus, San Joaquin). A permit shield is granted from these requirements. [District Rule 2520, 13.2]
39. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements: SJVUAPCD Rules 1100, sections 6.1 and 7.0 (12/17/92); 2010, sections 3.0 and 4.0 (12/17/92); 2031 (12/17/92); 2040 (12/17/92); 2070, section 7.0 (12/17/92); 2080 (12/17/92); 4101 (12/17/92); 4601, sections 5.1, 5.2, 5.4, 5.5, 6.1, and 6.2 (12/17/92); 8020 (4/25/96); 8030 (4/25/96); 8060 (4/25/96); A permit shield is granted from these requirements. [District Rule 2520, 13.2]
40. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
41. On April 28, 2000, the initial Title V permit was issued. The reporting periods for the Report of Required Monitoring and the Compliance Certification Report are based upon this initial permit issuance date, unless alternative dates are approved by the District Compliance Division. These reports are due within 30 days of the end of the reporting period. [District Rule 2520], [Federally Enforceable Through Title V]

Initial TV Permit
San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-4-3-0

EXPIRATION DATE: 08/31/2004

EQUIPMENT DESCRIPTION:

1052 BHP WAUKESHA NATURAL GAS FIRED I.C. ENGINE #3 - PLANT #1 *** CANCELLED BY S-4-7 ON 8/10/93 *** JG

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
3. Sulfur compound emissions shall not exceed 2000 ppmv as SO₂. [District Rule 4801]

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San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-4-4-0

EXPIRATION DATE: 08/31/2004

EQUIPMENT DESCRIPTION:

1052 BHP WAUKESHA NATURAL GAS FIRED I.C. ENGINE #4 - PLANT #1 - CANCELED BY S-4-8-0 LMS 4/8/96

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
3. Sulfur compound emissions shall not exceed 2000 ppmv as SO₂. [District Rule 4801]

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San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-4-5-4

EXPIRATION DATE: 08/31/2004

EQUIPMENT DESCRIPTION:

1070 HP WAUKESHA MODEL 5790GL LEAN BURN I.C. ENGINE/WATER PUMP#1, SERIAL #C-10634-1 WITH TURBOCHARGER AND INTERCOOLER AT PLANT #1

PERMIT UNIT REQUIREMENTS

1. IC engine shall be equipped with a device to prevent crankcase emissions. [District NSR Rule], [Federally Enforceable Through Title V]
2. IC engine shall use PUC quality natural gas as fuel. [District NSR Rule], [Federally Enforceable Through Title V]
3. Utilization of IC engine shall not exceed 1070 hp as determined by maintaining water pumping rate for each unit at or below the following amounts: one IC engine/pump operating - 8.2 cfs, two IC engine/pumps operating - 7.8 cfs, and three or more IC engine/pumps operating - 7.3 cfs. [District NSR Rule], [Federally Enforceable Through Title V]
4. Emission rate from IC engine shall not exceed NOx (as NO₂): 150 ppmvd @ 15% O₂, VOC: 1.5 gram/hp-hr, CO: 492 ppmvd @ 15% O₂, and PM₁₀: 0.05 gram/hp-hr. [District NSR Rule and 4701], [Federally Enforceable Through Title V]
5. Total operating hours for IC engines S-4-5-2, '6-2, '7-2, and '8-2 shall not exceed 34,453 hours/year. [District NSR Rule], [Federally Enforceable Through Title V]
6. The exhaust O₂ content shall be maintained between 9% and 12 % by volume. [District Rule 4701 and 2520, 9.4.2], [Federally Enforceable Through Title V]
7. NOx and CO emission shall be measured not less than once every 24 months. [District Rule 4701 and 2520, 9.4.2], [Federally Enforceable Through Title V]
8. Compliance demonstration (source testing) shall be by District witnessed, or authorized, sample collection by ARB certified testing laboratory. [District Rule 1081], [Federally Enforceable Through Title V]
9. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any compliance source test, and a source test plan must be submitted for approval 15 days prior to testing. [District Rule 1081], [Federally Enforceable Through Title V]
10. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081], [Federally Enforceable Through Title V]
11. Permittee shall maintain monthly records of total hours of operation for IC engines S-4-5, '6, '7, and '8, and weekly records water pumping rate for each IC engine/pump for a period of five years and shall make such records readily available for District inspection upon request. [District Rule 1070], [Federally Enforceable Through Title V]
12. Permittee shall monitor and record on a monthly basis (when unit is operating) the exhaust O₂ content and any corrective actions taken to maintain the exhaust O₂ content between 9% and 12% by volume. [District Rule 4701 and 2520, 9.4.2], [Federally Enforceable Through Title V]
13. Permittee shall maintain records of source test results, monitoring data, and other information deemed necessary by the APCO to demonstrate compliance with Rule 4701 (as amended 11/12/98). [District Rule 4701]
14. The following test methods shall be used: NOx (ppmv) - EPA Method 7E or ARB Method 100, CO (ppmv) - EPA Method 10 or ARB Method 100, stack gas oxygen - EPA Method 3 or 3A or ARB Method 100. [District Rules 1081 and 4701], [Federally Enforceable Through Title V]
15. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
16. Particulate emissions shall not exceed at the point of discharge, 0.1 gr/dscf. [District Rule 4201; Rule 402 (Madera) and 404 (all 7 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
17. Unit shall be fired only on PUC quality natural gas with a sulfur content of less than or equal to 0.017% by weight. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
18. If the IC engine is fired on PUC-regulated natural gas, then maintain on file copies of all natural gas bills. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

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19. If the engine is not fired on PUC-regulated natural gas, then the sulfur content of the natural gas being fired in the IC engine shall be determined using ASTM method D 1072-80, D 3031-81, D 4084-82 or D 3246-81. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
20. If the engine is not fired on PUC-regulated natural gas, the sulfur content of each fuel source shall be tested weekly except that if compliance with the fuel sulfur content limit has been demonstrated for 8 consecutive weeks for a fuel source, then the testing frequency shall be quarterly. If a test shows noncompliance with the sulfur content requirement, the source must return to weekly testing until eight consecutive weeks show compliance. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
21. The operator of an internal combustion (IC) engine shall maintain all records of required monitoring data and support information for inspection at any time for a period of five years. [District Rule 2520, 9.5.2], [Federally Enforceable Through Title V]
22. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements of SJVUAPCD Rule 4201; Rules 406 (Fresno), 404 (Madera), 407 (Kern, Kings, San Joaquin, Stanislaus, Merced, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
23. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rules 402 (Madera) and 404 (Fresno, Merced, Kern, Kings, San Joaquin, Stanislaus, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]

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San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-4-6-4

EXPIRATION DATE: 08/31/2004

EQUIPMENT DESCRIPTION:

1070 HP WAUKESHA MODEL 5790GL LEAN BURN I.C. ENGINE/WATER PUMP#2, SERIAL #402992 WITH TURBOCHARGER AND INTERCOOLER AT PLANT #1

PERMIT UNIT REQUIREMENTS

1. IC engine shall be equipped with a device to prevent crankcase emissions. [District NSR Rule], [Federally Enforceable Through Title V]
2. IC engine shall use PUC quality natural gas as fuel. [District NSR Rule], [Federally Enforceable Through Title V]
3. Utilization of IC engine shall not exceed 1070 hp as determined by maintaining water pumping rate for each unit at or below the following amounts: one IC engine/pump operating - 8.2 cfs, two IC engine/pumps operating - 7.8 cfs, and three or more IC engine/pumps operating - 7.3 cfs. [District NSR Rule], [Federally Enforceable Through Title V]
4. Emission rate from IC engine shall not exceed NOx (as NO₂): 150 ppmvd @ 15% O₂, VOC: 1.5 gram/hp-hr, CO: 492 ppmvd @ 15% O₂, and PM₁₀: 0.05 gram/hp-hr. [District NSR Rule and 4701], [Federally Enforceable Through Title V]
5. Total operating hours for IC engines S-4-5-2, '6-2, '7-2, and '8-2 shall not exceed 34,453 hours/year. [District NSR Rule], [Federally Enforceable Through Title V]
6. The exhaust O₂ content shall be maintained between 9% and 12 % by volume. [District Rule 4701 and 2520, 9.4.2], [Federally Enforceable Through Title V]
7. NOx and CO emission shall be measured not less than once every 24 months. [District Rule 4701 and 2520, 9.4.2], [Federally Enforceable Through Title V]
8. Compliance demonstration (source testing) shall be by District witnessed, or authorized, sample collection by ARB certified testing laboratory. [District Rule 1081], [Federally Enforceable Through Title V]
9. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any compliance source test, and a source test plan must be submitted for approval 15 days prior to testing. [District Rule 1081], [Federally Enforceable Through Title V]
10. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081], [Federally Enforceable Through Title V]
11. Permittee shall maintain monthly records of total hours of operation for IC engines S-4-5, '6, '7, and '8, and weekly records water pumping rate for each IC engine/pump for a period of five years and shall make such records readily available for District inspection upon request. [District Rule 1070], [Federally Enforceable Through Title V]
12. Permittee shall monitor and record on a monthly basis (when unit is operating) the exhaust O₂ content and any corrective actions taken to maintain the exhaust O₂ content between 9% and 12% by volume. [District Rule 4701 and 2520, 9.4.2], [Federally Enforceable Through Title V]
13. Permittee shall maintain records of source test results, monitoring data, and other information deemed necessary by the APCO to demonstrate compliance with Rule 4701(as amended 11/12/98). [District Rule 4701]
14. The following test methods shall be used: NOx (ppmv) - EPA Method 7E or ARB Method 100, CO (ppmv) - EPA Method 10 or ARB Method 100, stack gas oxygen - EPA Method 3 or 3A or ARB Method 100. [District Rules 1081 and 4701], [Federally Enforceable Through Title V]
15. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
16. Particulate emissions shall not exceed at the point of discharge, 0.1 gr/dscf. [District Rule 4201; Rule 402 (Madera) and 404 (all 7 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
17. Unit shall be fired only on PUC quality natural gas with a sulfur content of less than or equal to 0.017% by weight. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
18. If the IC engine is fired on PUC-regulated natural gas, then maintain on file copies of all natural gas bills. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

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19. If the engine is not fired on PUC-regulated natural gas, then the sulfur content of the natural gas being fired in the IC engine shall be determined using ASTM method D 1072-80, D 3031-81, D 4084-82 or D 3246-81. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
20. If the engine is not fired on PUC-regulated natural gas, the sulfur content of each fuel source shall be tested weekly except that if compliance with the fuel sulfur content limit has been demonstrated for 8 consecutive weeks for a fuel source, then the testing frequency shall be quarterly. If a test shows noncompliance with the sulfur content requirement, the source must return to weekly testing until eight consecutive weeks show compliance. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
21. The operator of an internal combustion (IC) engine shall maintain all records of required monitoring data and support information for inspection at any time for a period of five years. [District Rule 2520, 9.5.2], [Federally Enforceable Through Title V]
22. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements of SJVUAPCD Rule 4201; Rules 406 (Fresno), 404 (Madera), 407 (Kern, Kings, San Joaquin, Stanislaus, Merced, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
23. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rules 402 (Madera) and 404 (Fresno, Merced, Kern, Kings, San Joaquin, Stanislaus, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]

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San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-4-7-4

EXPIRATION DATE: 08/31/2004

EQUIPMENT DESCRIPTION:

1070 HP WAUKESHA MODEL 5790GL LEAN BURN I.C. ENGINE/WATER PUMP#3, SERIAL #402993 WITH TURBOCHARGER AND INTERCOOLER AT PLANT #1

PERMIT UNIT REQUIREMENTS

1. IC engine shall be equipped with a device to prevent crankcase emissions. [District NSR Rule], [Federally Enforceable Through Title V]
2. IC engine shall use PUC quality natural gas as fuel. [District NSR Rule], [Federally Enforceable Through Title V]
3. Utilization of IC engine shall not exceed 1070 hp as determined by maintaining water pumping rate for each unit at or below the following amounts: one IC engine/pump operating - 8.2 cfs, two IC engine/pumps operating - 7.8 cfs, and three or more IC engine/pumps operating - 7.3 cfs. [District NSR Rule], [Federally Enforceable Through Title V]
4. Emission rate from IC engine shall not exceed NOx (as NO₂): 150 ppmvd @ 15% O₂, VOC: 1.5 gram/hp-hr, CO: 492 ppmvd @ 15% O₂, and PM₁₀: 0.05 gram/hp-hr. [District NSR Rule and 4701], [Federally Enforceable Through Title V]
5. Total operating hours for IC engines S-4-5-2, '6-2, '7-2, and '8-2 shall not exceed 34,453 hours/year. [District NSR Rule], [Federally Enforceable Through Title V]
6. The exhaust O₂ content shall be maintained between 9% and 12 % by volume. [District Rule 4701 and 2520, 9.4.2], [Federally Enforceable Through Title V]
7. NOx and CO emission shall be measured not less than once every 24 months. [District Rule 4701 and 2520, 9.4.2], [Federally Enforceable Through Title V]
8. Compliance demonstration (source testing) shall be by District witnessed, or authorized, sample collection by ARB certified testing laboratory. [District Rule 1081], [Federally Enforceable Through Title V]
9. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any compliance source test, and a source test plan must be submitted for approval 15 days prior to testing. [District Rule 1081], [Federally Enforceable Through Title V]
10. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081], [Federally Enforceable Through Title V]
11. Permittee shall maintain monthly records of total hours of operation for IC engines S-4-5, '6, '7, and '8, and weekly records water pumping rate for each IC engine/pump for a period of five years and shall make such records readily available for District inspection upon request. [District Rule 1070], [Federally Enforceable Through Title V]
12. Permittee shall monitor and record on a monthly basis (when unit is operating) the exhaust O₂ content and any corrective actions taken to maintain the exhaust O₂ content between 9% and 12% by volume. [District Rule 4701 and 2520, 9.4.2], [Federally Enforceable Through Title V]
13. Permittee shall maintain records of source test results, monitoring data, and other information deemed necessary by the APCO to demonstrate compliance with Rule 4701 (as amended 11/12/98). [District Rule 4701]
14. The following test methods shall be used: NOx (ppmv) - EPA Method 7E or ARB Method 100, CO (ppmv) - EPA Method 10 or ARB Method 100, stack gas oxygen - EPA Method 3 or 3A or ARB Method 100. [District Rules 1081 and 4701], [Federally Enforceable Through Title V]
15. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
16. Particulate emissions shall not exceed at the point of discharge, 0.1 gr/dscf. [District Rule 4201; Rule 402 (Madera) and 404 (all 7 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
17. Unit shall be fired only on PUC quality natural gas with a sulfur content of less than or equal to 0.017% by weight. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
18. If the IC engine is fired on PUC-regulated natural gas, then maintain on file copies of all natural gas bills. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

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19. If the engine is not fired on PUC-regulated natural gas, then the sulfur content of the natural gas being fired in the IC engine shall be determined using ASTM method D 1072-80, D 3031-81, D 4084-82 or D 3246-81. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
20. If the engine is not fired on PUC-regulated natural gas, the sulfur content of each fuel source shall be tested weekly except that if compliance with the fuel sulfur content limit has been demonstrated for 8 consecutive weeks for a fuel source, then the testing frequency shall be quarterly. If a test shows noncompliance with the sulfur content requirement, the source must return to weekly testing until eight consecutive weeks show compliance. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
21. The operator of an internal combustion (IC) engine shall maintain all records of required monitoring data and support information for inspection at any time for a period of five years. [District Rule 2520, 9.5.2], [Federally Enforceable Through Title V]
22. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements of SJVUAPCD Rule 4201; Rules 406 (Fresno), 404 (Madera), 407 (Kern, Kings, San Joaquin, Stanislaus, Merced, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
23. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rules 402 (Madera) and 404 (Fresno, Merced, Kern, Kings, San Joaquin, Stanislaus, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]

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San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-4-8-4

EXPIRATION DATE: 08/31/2004

EQUIPMENT DESCRIPTION:

1070 HP WAUKESHA MODEL 5790GL LEAN BURN I.C. ENGINE/WATER PUMP#4, SERIAL #C-11010-1 WITH TURBOCHARGER AND INTERCOOLER AT PLANT #1

PERMIT UNIT REQUIREMENTS

1. IC engine shall be equipped with a device to prevent crankcase emissions. [District NSR Rule], [Federally Enforceable Through Title V]
2. IC engine shall use PUC quality natural gas as fuel. [District NSR Rule], [Federally Enforceable Through Title V]
3. Utilization of IC engine shall not exceed 1070 hp as determined by maintaining water pumping rate for each unit at or below the following amounts: one IC engine/pump operating - 8.2 cfs, two IC engine/pumps operating - 7.8 cfs, and three or more IC engine/pumps operating - 7.3 cfs. [District NSR Rule], [Federally Enforceable Through Title V]
4. Emission rate from IC engine shall not exceed NOx (as NO₂): 150 ppmvd @ 15% O₂, VOC: 1.5 gram/hp-hr, CO: 492 ppmvd @ 15% O₂, and PM₁₀: 0.05 gram/hp-hr. [District NSR Rule and 4701], [Federally Enforceable Through Title V]
5. Total operating hours for IC engines S-4-5-2, '6-2, '7-2, and '8-2 shall not exceed 34,453 hours/year. [District NSR Rule], [Federally Enforceable Through Title V]
6. The exhaust O₂ content shall be maintained between 9% and 12 % by volume. [District Rule 4701 and 2520, 9.4.2], [Federally Enforceable Through Title V]
7. NOx and CO emission shall be measured not less than once every 24 months. [District Rule 4701 and 2520, 9.4.2], [Federally Enforceable Through Title V]
8. Compliance demonstration (source testing) shall be by District witnessed, or authorized, sample collection by ARB certified testing laboratory. [District Rule 1081], [Federally Enforceable Through Title V]
9. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any compliance source test, and a source test plan must be submitted for approval 15 days prior to testing. [District Rule 1081], [Federally Enforceable Through Title V]
10. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081], [Federally Enforceable Through Title V]
11. Permittee shall maintain monthly records of total hours of operation for IC engines S-4-5, '6, '7, and '8, and weekly records water pumping rate for each IC engine/pump for a period of five years and shall make such records readily available for District inspection upon request. [District Rule 1070], [Federally Enforceable Through Title V]
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